

What is claimed is:

1. A vector system for producing infectious virus particles having a characteristic of AAV4 comprising: at least one vector comprising a nucleic acid encoding an AAV4 capsid protein.
2. The vector system of claim 1 comprising two vectors.
3. The vector system of claim 2, wherein the first vector comprises a nucleic acid encoding an AAV4 capsid protein and the second vector comprises a pair of AAV inverted terminal repeats.
4. The vector system of claim 2, wherein the first vector comprises a nucleic acid encoding an AAV4 Rep protein and the second vector comprises a pair of AAV inverted terminal repeats.
5. The vector system of claim 2, wherein the first vector comprises a nucleic acid encoding an AAV4 Rep protein and a nucleic acid encoding an AAV4 capsid protein and the second vector comprises a pair of AAV inverted terminal repeats.
6. The vector system according to claim 3, wherein the second vector comprises a pair of AAV2 inverted terminal repeats
7. The vector system according to claim 3, wherein the second vector comprises a pair of AAV3 inverted terminal repeats.
8. The vector system according to claim 3, wherein the second vector comprises a pair of AAV4 inverted terminal repeats.

9. The vector system according to claim 8, wherein the AAV4 inverted terminal repeats comprise a Rep protein binding site having four "GAGC" repeats, wherein in the fourth nucleotide in the first two "GAGC" repeats is a T rather than a C.
10. The vector system according to claim 9, wherein the AAV4 inverted terminal repeats comprise the nucleotide sequence set forth in SEQ ID NO:6.
11. The vector system according to claim 9, wherein the AAV4 inverted terminal repeats comprise the nucleotide sequence set forth in SEQ ID NO:20.
12. The vector system according to claim 3, wherein the second vector comprises a pair of AAV5 inverted terminal repeats.
13. The vector system of claim 3, wherein the first vector further comprises a nucleic acid encoding an AAV2 Rep protein.
14. The vector system of claim 3, wherein the first vector further comprises a nucleic acid encoding an AAV3 Rep protein.
15. The vector system of claim 3, wherein the first vector further comprises a nucleic acid encoding an AAV4 Rep protein.
16. The vector system of claim 15, wherein the adeno-associated virus 4 Rep protein has the amino acid sequence set forth in SEQ ID NO:2.
17. The vector system of claim 15, wherein the adeno-associated virus 4 Rep protein has about 95% homology with the amino acid sequence set forth in SEQ ID NO:2.
18. The vector system of claim 15, wherein the adeno-associated virus 4 Rep protein

has the amino acid sequence set forth in SEQ ID NO:8.

19. The vector system of claim 15, wherein the adeno-associated virus 4 Rep protein has about 95% homology with the amino acid sequence set forth in SEQ ID NO:8.

20. The vector system of claim 15, wherein the adeno-associated virus 4 Rep protein has the amino acid sequence set forth in SEQ ID NO:9.

21. The vector system of claim 15 wherein the adeno-associated virus 4 Rep protein has about 95% homology with the amino acid sequence set forth in SEQ ID NO:9

22. The vector system of claim 15, wherein the adeno-associated virus 4 Rep protein has the amino acid sequence set forth in SEQ ID NO:10.

23. The vector system of claim 15, wherein the adeno-associated virus 4 Rep protein has about 95% homology with the amino acid sequence set forth in SEQ ID NO:10.

24. The vector system of claim 15, wherein the adeno-associated virus 4 Rep protein has the amino acid sequence set forth in SEQ ID NO:11.

25. The vector system of claim 15, wherein the adeno-associated virus 4 Rep protein has about 95% homology with the amino acid sequence set forth in SEQ ID NO:11.

26. The vector system of claim 3, wherein the first vector further comprises a nucleic acid encoding an AAV5 Rep protein.

27. The vector system according to claim 4, wherein the first vector further comprises a nucleic acid encoding an AAV2 capsid protein.

28. The vector system according to claim 4, wherein the first vector further comprises a nucleic acid encoding an AAV3 capsid protein.
29. The vector system according to claim 4, wherein the first vector further comprises a nucleic acid encoding an AAV4 capsid protein.
30. The vector system of claim 29, wherein the adeno-associated virus 4 capsid protein has the amino acid sequence set forth in SEQ ID NO:4.
31. The vector system of claim 29, wherein the adeno-associated virus 4 capsid protein has the amino acid sequence defined by amino acids 438-601 set forth in SEQ ID NO:4.
32. The vector system of claim 29, wherein the adeno-associated virus 4 capsid protein has about 98% homology to the amino acid sequence set forth in SEQ ID NO:4.
33. The vector system of claim 29, wherein the adeno-associated virus 4 capsid protein has the amino acid sequence set forth in SEQ ID NO:16.
34. The vector system of claim 29, wherein the adeno-associated virus 4 capsid protein has about 98% homology to the amino acid sequence set forth in SEQ ID NO:16.
35. The vector system of claim 29, wherein the adeno-associated virus 4 capsid protein has the amino acid sequence set forth in SEQ ID NO:18.
36. The vector system of claim 29, wherein the adeno-associated virus 4 capsid protein has about 98% homology to the amino acid sequence set forth in SEQ ID NO:18.

37. The vector system according to claim 4, wherein the first vector further comprises a nucleic acid encoding an AAV5 capsid protein.
38. A vector system according to claim 3, wherein the second vector further comprises a promoter between the inverted terminal repeats.
39. A vector system according to claim 38, wherein the promoter is functionally linked to an exogenous nucleic acid.
40. The vector system according to claim 2, wherein the system comprises a series of vectors.
41. A method of making a recombinant particle for delivering an exogenous nucleic acid to a cell, comprising delivering to a cell having helper function the vectors of the vector system of claim 39.
42. The method of claim 41, wherein the helper function is provided by a helper virus.